<p style="text-align: center;">**Listing of Claims**</p>

1   1-12. (Cancelled).

1   13. (Previously Presented) A computer readable medium containing computer readable

2   code, the medium comprising:

3   a code segment for executing two computational operations if either

4   computational operation does not violate a limit, and both computational

5   operations do not operate upon a same element of a data structure;

6   a code segment for executing the two computational operations if either

7   computational operation does not violate the limit, both computational

8   operations operate upon the same element, and both computational

9   operations are addition operations; and

10   a code segment for executing the computational operations if one but not the other

11   of the computational operations violates the limit, both computational

12   operations operate upon the same element, and both computational

13   operations are assignment operations that assign a same value to the same

14   element.

1   14. (Previously Presented) A method for executing two computational operations upon

2   elements of a data structure, the method comprising the steps of:

3   determining if one or more of two computational operations does not violate a

4   limit;

5   executing the two computational operations if either computational operation does

6   not violate the limit, and both computational operations do not operate

7   upon a same element;

8   executing the two computational operations if:

9   both computational operations operate upon the same element,

10   both computational operations are addition operations, and

11   one or none of the computational operations violate a limit, but not if both

12   of the two computational operations violate a limit; and

13   executing the computational operations if either computational operation does not

14   violate the limit, both computational operations operate upon the same

15   element, and both computational operations are assignment operations that

16   assign a same value to the same element.

1   15-16. (Cancelled).

1   17. (Currently Amended) ~~The method of claim 12, further including~~ A method for

2   executing two computational operations upon elements of a data structure, the

3   method comprising the steps of:

4   executing the two computational operations if either computational operation does

5   not violate a limit, and both computational operations do not operate upon

6   a same element;

7   executing the two computational operations if either computational operation does

8   not violate the limit, both computational operations operate upon the same

9   element, and both computational operations are addition operations;

10   executing the computational operations if either computational operation does not

11   violate the limit, both computational operations operate upon the same

12   element, and both computational operations are assignment operations that

13   assign a same value to the same element; and

14   executing the two computational operations if one but not the other of the

15   computational operations violates a limit, and both computational

16   operations do not operate upon a same element.

1   18. (New) A method comprising:

2   executing two computational operations if either computational operation does

3   not violate a limit, and both computational operations do not operate upon

4   a same element of a data structure;

5   executing the two computational operations if either computational operation does

6   not violate the limit, both computational operations operate upon the same

7   element, and both computational operations are addition operations; and

8   executing the computational operations if one but not the other of the

9   computational operations violates the limit, both computational operations

10   operate upon the same element, and both computational operations are

11   assignment operations that assign a same value to the same element.

1   19. (New) A system comprising:

2   means for executing two computational operations if either computational

3   operation does not violate a limit, and both computational operations do

4   not operate upon a same element of a data structure;

5   means for executing the two computational operations if either computational

6   operation does not violate the limit, both computational operations operate

7   upon the same element, and both computational operations are addition

8   operations; and

9   means for executing the computational operations if one but not the other of the

10   computational operations violates the limit, both computational operations

11   operate upon the same element, and both computational operations are

12   assignment operations that assign a same value to the same element.

1   20. (New) A computer readable medium containing computer readable code, the code

2   comprising:

3   a code segment for determining if one or more of two computational operations

4   does not violate a limit;

5   a code segment for executing the two computational operations if either

6   computational operation does not violate the limit, and both computational

7   operations do not operate upon a same element;

8   a code segment for executing the two computational operations if:

9   both computational operations operate upon the same element,

10   both computational operations are addition operations, and

11   one or none of the computational operations violate a limit, but not if both

12   of the two computational operations violate a limit; and

13   a code segment for executing the computational operations if either computational

14   operation does not violate the limit, both computational operations operate

15   upon the same element, and both computational operations are assignment

16   operations that assign a same value to the same element.

1 21. (New) A system comprising:

2 means for determining if one or more of two computational operations does not

3   violate a limit;

4 means for executing the two computational operations if either computational

5   operation does not violate the limit, and both computational operations do

6   not operate upon a same element;

7 means for executing the two computational operations if:

8   both computational operations operate upon the same element,

9   both computational operations are addition operations, and

10   one or none of the computational operations violate a limit, but not if both

11   of the two computational operations violate a limit; and

12 means for executing the computational operations if either computational

13   operation does not violate the limit, both computational operations operate

14   upon the same element, and both computational operations are assignment

15   operations that assign a same value to the same element.

1 22. (Currently Amended) A computer readable medium containing computer readable

2 code, the code comprising:

3 a code segment for executing the two computational operations if either

4   computational operation does not violate a limit, and both computational

5   operations do not operate upon a same element;

6   a code segment for executing the two computational operations if either

7   computational operation does not violate the limit, both computational

8   operations operate upon the same element, and both computational

9   operations are addition operations;

10   a code segment for executing the computational operations if either computational

11   operation does not violate the limit, both computational operations operate

12   upon the same element, and both computational operations are assignment

13   operations that assign a same value to the same element; and

14   a code segment for executing the two computational operations if one but not the

15   other of the computational operations violates a limit, and both

16   computational operations do not operate upon a same element.

1   23. (New) A system comprising:

2   means for executing the two computational operations if either computational

3   operation does not violate a limit, and both computational operations do

4   not operate upon a same element;

5   means for executing the two computational operations if either computational

6   operation does not violate the limit, both computational operations operate

7   upon the same element, and both computational operations are addition

8   operations;

9   means for executing the computational operations if either computational

10   operation does not violate the limit, both computational operations operate

11   upon the same element, and both computational operations are assignment

12   operations that assign a same value to the same element; and

13   means for executing the two computational operations if one but not the other of

14   the computational operations violates a limit, and both computational

15   operations do not operate upon a same element.